

Figure 1A

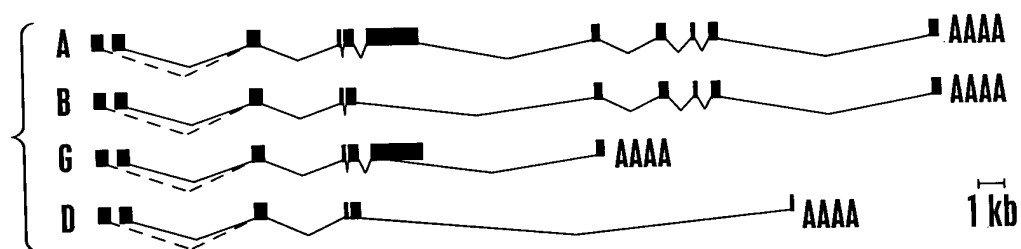


Figure 1B

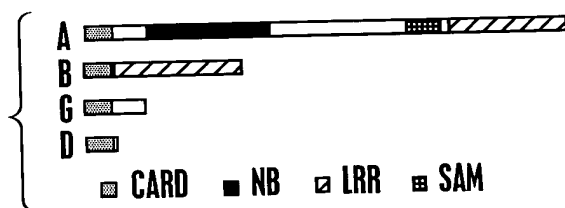


Figure 1C

CLANA	MNFIKDNSRALIQRMGMTVIKQITDDLFWVNVNLNREEVNIICCEKVEQDAARGIIHMILKKGSES
CLANB	MNFIKDNSRALIQRMGMTVIKQITDDLFWVNVNLNREEVNIICCEKVEQDAARGIIHMILKKGSES
CLANG	MNFIKDNSRALIQRMGMTVIKQITDDLFWVNVNLNREEVNIICCEKVEQDAARGIIHMILKKGSES
CLAND	MNFIKDNSRALIQRMGMTVIKQITDDLFWVNVNLNREEVNIICCEKVEQDAARGIIHMILKKGSES
CLANA	CNLFKLSLKEWNYPLFQDLNGQSLPHQTSEGLDDLAQDLKDLYHTPSFLNFYPLGEDIDIIIFNL
CLANB	CNLFKLSLKEWNYPLFQDLNGQ-----
CLANG	CNLFKLSLKEWNYPLFQDLNGQSLPHQTSEGLDDLAQDLKDLYHTPSFLNFYPLGEDIDIIIFNL
CLAND	CNLFKLSLKEWNYPLFQDLNGQSLTA
CLANA	KSTFTEPLWRKDQHHRVEQLTENGLLQALQSPCIEGESGKGKSTLLQRIAMLWGSGKCKALT
CLANB	-----
CLANG	KSTFTEPLWRKDQHHRVEQLTEVL
CLANA	KFKFVFFLRLSRAQGGLPETLCDQLLDIPGTIRKQTFMANLLKLRQRVLFLLDGYNEFKPQNCPE
CLANB	-----
CLANA	IEALIKENHRFKNMVIVTTTTTECLRHIRQFGALTAEVGDMTEDSAQALIREVLIKELAEGLLLQI
CLANB	-----
CLANA	QKSRCRLNLMKTPLFVVITCAIQMGSESEFHSHTQTTLFHTFYDLLIQKNKHKHKGVAASDFIRSL
CLANB	-----
CLANA	DHRGDLALEGVFSHKFDLQDVSSVNEDEVLLTTGLLCKYTAQRFPKPKYKFFHKSFQBYTAGRRL
CLANB	-----
CLANA	SSLLTSHEPEEVTKGNGYLQKMVSISDITSTYSSLLRYTCGSSVEATRAVMKHLAAVYQHGCCLG
CLANB	-----
CLANA	LSIAKRPLWRQESLQSVKNTTEQEILKAININSFVECGIHLYQESTSKSALSQEFPAFFQKSLY
CLANB	-----
CLANA	INSGNIPDYLFDFFEHLPCASALDFIKLDPYGGAMASWEKAAEDTGGIHMEEAPETYIPSRAVS
CLANB	-----
CLANA	LFFNWKQEFRTLEVTLRDFSKLNKQDIRYLGKIFSSATSLRLQIKRCAGVAGSLSLVLSTCKNIY
CLANB	-----
CLANA	SLMVEASPLTIEDERHITSVTNLKTLSTHDLQNQLP
CLANB	-----SGLTDSLGNLKNLTKLIMDNIKMNEEDA
CLANA	IKLAEGLKNLKKMCLFHLTHLSDIGEGMDYIVKSLSSSEPCDLEEIQLVSCCLSANAVKILAQN LH
CLANB	IKLAEGLKNLKKMCLFHLTHLSDIGEGMDYIVKSLSSSEPCDLEEIQLVSCCLSANAVKILAQN LH
CLANA	NLVKLSILDLSENYLEKDGNEALHELIDRMNVLEQLTALMLPWGCDVQGSLSLLKHLLEVPQLV
CLANB	NLVKLSILDLSENYLEKDGNEALHELIDRMNVLEQLTALMLPWGCDVQGSLSLLKHLLEVPQLV
CLANA	KLGKLNWRLTDTEIRILCAFFCKNPLKNFQQNLACNRVSSDGWLAFMGVFENLKQLVFFDFSTK
CLANB	KLGKLNWRLTDTEIRILCAFFCKNPLKNFQQNLACNRVSSDGWLAFMGVFENLKQLVFFDFSTK
CLANA	EFLPDPALVRKLSQVLSKLTFLQEARLVGHQFDDDDLSVITGAFKLVTA
CLANB	EFLPDPALVRKLSQVLSKLTFLQEARLVGHQFDDDDLSVITGAFKLVTA

Fig. 2

XKPGQPWSRRCGAAGLRGCGATGQERVLSRQSRGGVRAGGGAERPTRSRSPSRSRRE
SWPGVGLGVGAQAARG 18030 (76)

CEMCSQEAFAQARSQVVELLVSGSLEGFESVLDWLLSWEVLSWE

CARD-A

DYEGFHLLGQPLSHLARRLLDTVMNKGTWACQKLIAAAQEAQADSQSPKLHGCWDPHSLH

PARDLQSHRPATVRRLLHSFVENMDLAWERGFVSQYECDEIRLPIETPSQR

CARD-B

ARRLLDLAT

VKANGIAAFILQHVQELPVPIALPLE

AATCKKYMALRTTVSAQSRLSTYDGAETLCLE

DIYTENVLEVWADVGMAGPPQKSPATLGLEEFSTPGHLNDDADTVLVVGEAGSGKSTLL

P-LOOP

QRLHLLWACQDFQEFLEVPFSCROLOCMAPLSVRLTLLTEHCCTPDVCQEDIFQILLD

NB-ARC

HPDRVLLITDCEDEFKERETDREHCSPTDPTSVQTLLENILQCNLLKNARKVVTSPAA

VSAFLRKYIRTEFNKGFSEQGIELYLRKRHHFPGVADRLIRLLQETSALHGLCHLPVS

WMVSKHQELMLQECGSPKTTTDMYLLMLQHTLLHATPPDSASQGLGPSILRCRIETLLH

LGRLALWGLCMCCVFSAQQLQAQVSPDDISLGFL

Figure 3

COP **MADKVLKEKRKLFIR** **SMGEGTINGLLDELL** 30
 caspase-1 **MADKVLKEKRKLFIR** **SMGEGTINGLLDELL** 30

QTRVLNQ **EEMEKVKRENATVMDKTRALIDS** 60
QTRVLNK **EEMEKVKRENATVMDKTRALIDS** 60

VIPKGAQACQICITYICEEDSYLA **ETLGLS** 90
VIPKGAQACQICITYICEEDSYLA **GTLGLS** 90

AGPIRGN 97
ADQTSN 97

Figure 4

MADKVLLEKRKLLINSLGEGTINGLLDELLEETNVLSQEDM Majority
 10 20 30 40
 1 **MADKVLKEKRKLFIR** **SMGEGTINGLLDELL** **QTRVLNKEEM** cas-1
 1 **M - - ILLKRRLLINSLGEGTINGLLDELLEETNVLSQEDT** cop-2

EIVKRENATVIDKARALLDSVIRKGAGACEICITYICEED Majority
 50 60 70 80
 41 **EKVKRENATVMDKTRALIDS** **VIPKGAQACQICITYICEED** cas-1
 38 **EIVKCEENV** **TVIDKARDLLDSVIRKGAGACEICITYICEED** cop-2

SYLAGTLGLSAGNAVQAGGACSTSSGQDL Majority
 90 100
 81 **SYLAGTLGLSAPQ** **AVQDNPA** **MP** **TSSG** cas-1
 78 **RYLAGTLGLSAGN** **DYRAGGI** **CSP** **PRA** **QDL** cop-2

Figure 5

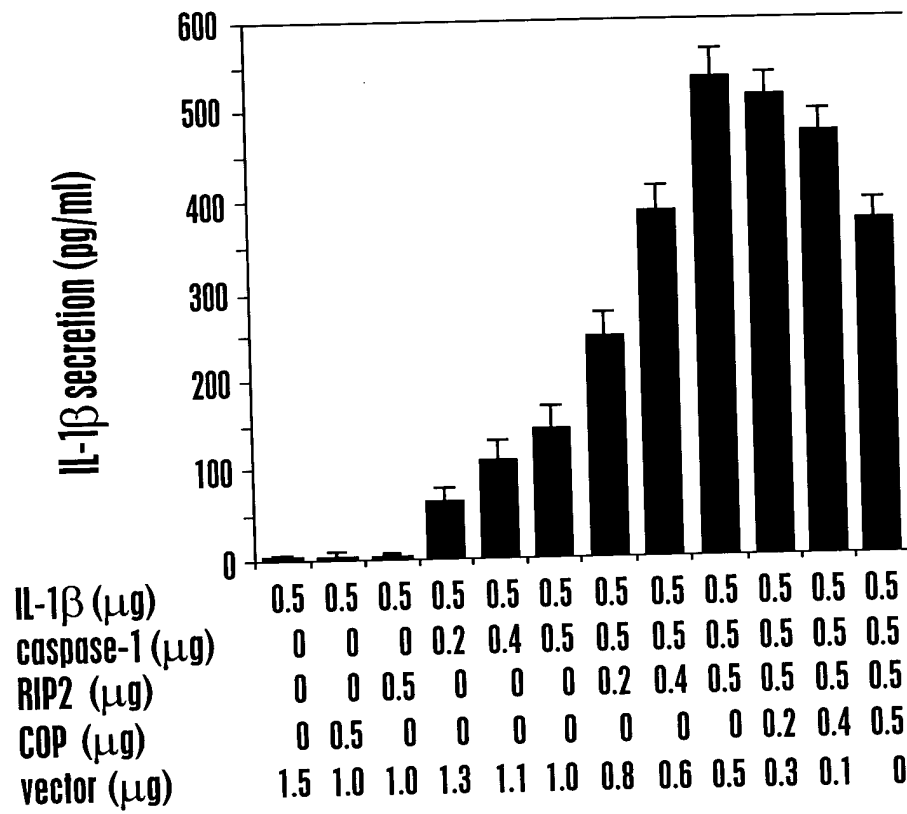


Figure 6